Contents of Agricultural Water Management, Volume 82

VOLUME 82 ISSUES 1-2	U APRIL 2006
Comparison of different methods to measure and model actual evapotranspiration ra a wet sloping grassland	ates for
V.R.N. Pauwels and R. Samson (Ghent, Belgium)	1
Optimizing irrigation management for wheat to reduce groundwater depletion piedmont region of the Taihang Mountains in the North China Plain	in the
Y. Yang (Shijiazhuang, China), M. Watanabe (Ibaraki, Japan), X. Zhang (Shijiaz	
China), J. Zhang, Q. Wang and S. Hayashi (Ibaraki, Japan)	
Plant water accessibility function: A design and management tool for trickle irrigat	
A. Colombo (Lavras, Brazil) and D. Or (Storrs, CT, USA)	45
Water-yield relation and water use efficiency of cotton (Gossypium hirsutum L.) and crop corn (Zea mays L.) in western Turkey	second
N. Dağdelen, E. Yılmaz, F. Sezgin and T. Gürbüz (Aydın, Turkey)	
Effects of water table and fertilization management on nitrogen loading to groundw	
H. Guo, G. Li, D. Zhang, X. Zhang and C. Lu (Beijing, PR China)	86
Comparison of the subirrigation and drip-irrigation systems for greenhouse zucchini production using saline and non-saline nutrient solutions	
Y. Rouphael, M. Cardarelli (Viterbo, Italy), E. Rea (Roma, Italy), A. Battistelli (I	Porano,
Italy) and G. Colla (Viterbo, Italy)	99
Effect of irrigation and harvest timing on peppermint oil yield in California	
D.B. Marcum (McArthur, CA, USA) and B.R. Hanson (Davis, CA, USA)	118
A comprehensive experimental study with mathematical modeling to investigate the of cropping practices on water balance variables	affects
N. Islam (Plantation, FL, USA), W.W. Wallender (Davis, CA, USA), J. Mitchell (Parlier,
CA, USA), S. Wicks and R.E. Howitt (Davis, CA, USA)	
Channel capacity under arranged demand irrigation	
A.A. Anwar, D. Clarke (Southampton, UK) and T.T. de Vries (Silsoe, UK)	148
Influence of fallowing practices on soil water and precipitation storage efficience semiarid Aragon (Spain)	
D. Moret, J.L. Arrúe, M.V. López and R. Gracia (Zaragoza, Spain)	161
Effect of soil fertility and transpiration rate on young wheat plants (Triticum ae	stivum)
Cd/Zn uptake and yield	
S.A. Salah and S.F. Barrington (Ste Anne de Bellevwe, Canada)	177

Contents of Agricultural Water Management, Volume 82

VOLUME 82 ISSUES 1-2	U APRIL 2006
Comparison of different methods to measure and model actual evapotranspiration ra a wet sloping grassland	ates for
V.R.N. Pauwels and R. Samson (Ghent, Belgium)	1
Optimizing irrigation management for wheat to reduce groundwater depletion piedmont region of the Taihang Mountains in the North China Plain	in the
Y. Yang (Shijiazhuang, China), M. Watanabe (Ibaraki, Japan), X. Zhang (Shijiaz	
China), J. Zhang, Q. Wang and S. Hayashi (Ibaraki, Japan)	
Plant water accessibility function: A design and management tool for trickle irrigat	
A. Colombo (Lavras, Brazil) and D. Or (Storrs, CT, USA)	45
Water-yield relation and water use efficiency of cotton (Gossypium hirsutum L.) and crop corn (Zea mays L.) in western Turkey	second
N. Dağdelen, E. Yılmaz, F. Sezgin and T. Gürbüz (Aydın, Turkey)	
Effects of water table and fertilization management on nitrogen loading to groundw	
H. Guo, G. Li, D. Zhang, X. Zhang and C. Lu (Beijing, PR China)	86
Comparison of the subirrigation and drip-irrigation systems for greenhouse zucchini production using saline and non-saline nutrient solutions	
Y. Rouphael, M. Cardarelli (Viterbo, Italy), E. Rea (Roma, Italy), A. Battistelli (I	Porano,
Italy) and G. Colla (Viterbo, Italy)	99
Effect of irrigation and harvest timing on peppermint oil yield in California	
D.B. Marcum (McArthur, CA, USA) and B.R. Hanson (Davis, CA, USA)	118
A comprehensive experimental study with mathematical modeling to investigate the of cropping practices on water balance variables	affects
N. Islam (Plantation, FL, USA), W.W. Wallender (Davis, CA, USA), J. Mitchell (Parlier,
CA, USA), S. Wicks and R.E. Howitt (Davis, CA, USA)	
Channel capacity under arranged demand irrigation	
A.A. Anwar, D. Clarke (Southampton, UK) and T.T. de Vries (Silsoe, UK)	148
Influence of fallowing practices on soil water and precipitation storage efficience semiarid Aragon (Spain)	
D. Moret, J.L. Arrúe, M.V. López and R. Gracia (Zaragoza, Spain)	161
Effect of soil fertility and transpiration rate on young wheat plants (Triticum ae	stivum)
Cd/Zn uptake and yield	
S.A. Salah and S.F. Barrington (Ste Anne de Bellevwe, Canada)	177

Contents	453
Coments	43.

Physiological and growth response to moderate water deficit of off-season potatoe Mediterranean environment	
A. Ierna and G. Mauromicale (Catania, Italy) Falling water tables in a sloping/nosloping aquifer under various initial water table p	rofiles
R.M. Singh, K.K. Singh and S.R. Singh (Udham Singh Nagar, India)	grown
T. Sato (Aleppo, Syria and Kyoto, Japan), O.S. Abdalla (Mexico D.F., Me T.Y. Oweis (Aleppo, Syria) and T. Sakuratani (Kyoto, Japan)	223
F.R. Miranda, R.S. Gondim and C.A.G. Costa (Fortaleza-CE, Brazil)	
Letter to the Editor	
Comment on "Run-off water harvesting for dry spell mitigation in maize (Zea mar Results from on-farm research in semi-arid Kenya" by Jennie Barron and C Okwach, Agricultural Water Management 74 (2005) 1–21	George
J.R. Jensen (Tästrup, Denmark)	247
VOLUME 82 ISSUE 3	4 APRIL 2006
Water productivity analysis of irrigated crops in Sirsa district, India	
R. Singh, J.C. van Dam and R.A. Feddes (Wageningen, The Netherlands) Management of declining groundwater in the Trans Indo-Gangetic Plain (India): Some of the Company of the Co	
S.K. Ambast, N.K. Tyagi and S.K. Raul (Karnal, India)	279
possible climate change in Ireland N.M. Holden and A.J. Brereton (Dublin, Ireland)	297
The effect of degradation of phalaris + white clover pasture on soil water regime Brown Chromosol on the Northern Tablelands of NSW, Australia	es of a
M.K. McLeod (Armidale, Australia and Calala Australia), D.A. MacLeod and H. (Armidale, Australia)	
Wastewater application and water use of Larrea tridentata	4.5 2.42
D. Saucedo, T.W. Sammis, G.A. Picchioni and J.G. Mexal (Las Cruces, NM, US Olive mill wastewater management in river basins: A case study in Greece I.E. Kapellakis (Iraklio, Greece and Glasgow, UK), K.P. Tsagarakis (Chania, G.)	,
C. Avramaki and A.N. Angelakis (Iraklio, Greece)	
Daily reference evapotranspiration estimates by the "Copais" approach S. Alexandris, P. Kerkides and A. Liakatas (Athens, Greece)	371
Improving water-use efficiency of young lemon trees by shading with aluminised-plast	
J.J. Alarcón, M.F. Ortuño, E. Nicolás, A. Navarro and A. Torrecillas (Murcia, Spai Wheat water productivity and yield in a cool highland environment: Effect of early swith supplemental irrigation	sowing
A. Ilbeyi, H. Ustun (Bakanliklar Ankara, Turkey), T. Oweis, M. Pala and B. (Aleppo, Syria)	
Simple methods for estimating outflow salinity from inflow and reservoir storage	
K. Inosako (Tottori, Japan), F. Yuan and S. Miyamoto (El Paso, TX, USA) Latent heat flux over a furrow-irrigated tomato crop using Penman–Monteith equation	
a variable surface canopy resistance S.O. Ortega-Farias (Talca, Chile), A. Olioso (Avignon, France), S. Fuentes (S	
Australia) and H. Valdes (Montpellie, France)	421
paddy crops in ChiaNan Irrigation Association, Taiwan SF. Kuo (Tainan, Taiwan), SS. Ho (Chiung-Lin, Taiwan) and CW. Liu (Taipei, Taiwan)	m) 433
Contents of Agricultural Water Management, Volume 82	452

(Contens continued from back cover)

Wheat water productivity and yield in a cool highland environment: Effect of early sowing with supplemental irrigation	
A. Ilbeyi, H. Ustun (Bakanliklar Ankara, Turkey), T. Oweis, M. Pala and B. Benli (Aleppo,	
Syria)	399
Simple methods for estimating outflow salinity from inflow and reservoir storage	
K. Inosako (Tottori, Japan), F. Yuan and S. Miyamoto (El Paso, TX, USA)	411
Latent heat flux over a furrow-irrigated tomato crop using Penman–Monteith equation with a variable surface canopy resistance	
S.O. Ortega-Farias (Talca, Chile), A. Olioso (Avignon, France), S. Fuentes (Sydney, Australia) and H. Valdes (Montpellie, France)	421
Estimation irrigation water requirements with derived crop coefficients for upland and paddy crops in ChiaNan Irrigation Association, Taiwan	
SF. Kuo (Tainan, Taiwan), SS. Ho (Chiung-Lin, Taiwan) and CW. Liu (Taipei, Taiwan)	433
Contents of Agricultural Water Management Volume 82	450

